

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Robert H. Cichewicz, Muraleedharan G. Nair
and James H. McKerrow

For : ANTIHELMINTHIC ANTHRAQUINONES AND METHOD
OF USE THEREOF

Hon. Commissioner of Patents and Trademarks
Washington, D. C. 20231

Sir:

INFORMATION STATEMENT UNDER
RULE 1.97 and 1.98

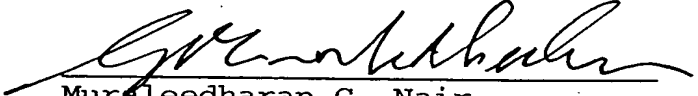
Provided herewith are copies of patents and publications as listed in the attached form PTO-1449. A concise explanation of the relevance of each reference listed in form PTO-1449 is contained in the above-captioned specification as filed.

Applicant respectfully asserts that the substantive provisions of 37 CFR 1.97 and 37 CFR 1.98 are met by the provision of the foregoing statement.

Respectfully,

Robert H. Cichewicz

Date: _____




Muraleedharan G. Nair

Date: 12/11/02

James H. McKerrow

Date: _____



Ian C. McLeod, Attorney
Registration No. 20,931

Date: 12/12/02

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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | |
| | | | | Filing Date | |
| | | | | First Named Inventor | Robert H. Cichewicz |
| | | | | Group Art Unit | |
| | | | | Examiner Name | |
| Sheet | 1 | of | 1 | Attorney Docket Number | MSU 4.1-605 (A) |

[illegible][illegible]

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| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| Application Number | | Filing Date | |
| First Named Inventor | | Group Art Unit | |
| Examiner Name | | Attorney Docket Number | MSU 4.1-605 (A) |
| Sheet | 1 | of | 3 |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|--------------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | 7 ² |
| | A1 | Chitsula et al., Acta Trop. 77: 41-51 (2000). | |
| | B1 | Bica et al., Infect. Dis. Clin. N. Am. 14: 637-642 (2000). | |
| | C1 | Elliot, Gastroenterol. Clin. N. Am. 25: 599-624 (1996). | |
| | D1 | Morris and Knauer, Sem. Respir. Infect. 12: 159-170 (1997). | |
| | E1 | Schafer and Hale, Curr. Gastroenterol. Reports 3: 293-303 (2001). | |
| | F1 | Cioli, Parasitol. Today 14: 418-422 (1998). | |
| | G1 | Curr. Opin. Infect Dis. 13: 659-663 (2000). | |
| | H1 | William et al., Parasitol. 122: 63-66 (2001). | |
| | I1 | Shiao et al., Acta Pharma. Sinica 9: 218-224 (1962). | |
| | J1 | Wang et al., Phytochem. 28: 1825-1826 (1989). | |
| | K1 | Wang and Yang, 1993 | |

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|-----------------------|--------------------|
| Examiner Signature | Date Considered |
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| Sheet | 2 | of | 3 | Application Number | |
| | | | | Filing Date | |
| | | | | First Named Inventor | Robert H. Cichewicz |
| | | | | Group Art Unit | |
| | | | | Examiner Name | |
| | | | | Attorney Docket Number | MSU 4.1-605 (A) |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials ¹ | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------------------|-----------------------|---|----------------|
| | L2 | Main et al., Aust. Vet. J. 57: 132-135 (1981). | |
| | M2 | Colegate et al., Aust. J. Chem. 38: 1233-1241 (1985). | |
| | N2 | Chen et al., Acta. Pharma. Sinica 9: 579-586 (1962). | |
| | O2 | Khan et al., In Synthesis 255-257 (1994). | |
| | P2 | Cameron et al., In Tetrahedron Letters 27: 4999-5002 (1986). | |
| | Q2 | Baker and Myers, Pharmacol. Res. 8: 763-770 (1991). | |
| | R2 | Danielsen and Aksnes, Magn. Reson. Chem. 30: 359-360 (1992). | |
| | S2 | Schripsema et al., Phytochem. 51: 55-60 (1999). | |
| | T2 | Li and McLaughlin, J. Nat. Prod. 52: 660-662 (1989). | |
| | U2 | Midiwo and Arot., Int. J. BioChemiPhysics 2: 115-116 (1993). | |
| | V2 | Brauers et al., J. Nat. Prod. 63: 739-745 (2000). | |

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| Examiner Signature | | Date Considered | |
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 3

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| First Named Inventor | Robert H. Cichewicz |
| Group Art Unit | |
| Examiner Name | |
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|--------------------------------|-----------------------|---|----------------|
| | W3 | Li et al., J. Nat. Prod. 63: 653-656 (2000). | |
| | X3 | Batterham et al., Aust. J. Chem. 14: 637-642 (1961). | |
| | Y3 | Milovanovic et al., J. Serb. Chem. Soc. 61: 423-429 (1996). | |
| | Z3 | Salter et al., J. Biol. Chem. 275: 38667-38673 (2000). | |
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